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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 9, 1961

Respiratory Disease – Type B influenza has been identified in outbreaks of respiratory disease in Arizona, Florida, Jamaica, Saskatchewan, and Aruba Island (N.W.I.). Respiratory illnesses of unidentified etiology reported in several other areas since mid-November have continued to spread in these areas. No new outbreaks have been reported.

Confirmed Type B Influenza Outbreaks

Arizona – The outbreak of respiratory disease which began in mid-November in the Hopi and Navajo Indian Reservation in northeastern Arizona has been identified as Type B influenza. Seven of 10 paired sera obtained during the outbreak show significant titer rises for Type B influenza. Positive sera were obtained from the Hopi Indian Reservation, as far west as Grand Canyon and from Fort Defiance, Arizona, on the New Mexico border.

Clinical characteristics of the illness included fever of over 100-101°, severe sore throat with cough, minimal conjunctivitis, absence of pulmonary involvement, myalgia and frontal headache. The acute symptoms last for two or three days.

The Keams Canyon School on the Reservation presented an unusual opportunity for study of vaccine effectiveness. Those children who board at the school had been vaccinated; the day school children had not been

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	49th Week			Cumulative						Approximate seasonal low point
				First 49 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Dec. 9, 1961	Ended Dec. 10, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	-	1	*	7	18	*	*	*	*	*
Botulism-----049.1	1	-	*	6	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	11	12	12	556	713	758	*	*	*	*
Diphtheria-----055	27	26	32	556	781	833	247	435	494	July 1
Encephalitis, infectious-----082	29	24	40	1,567	1,779	2,012	1,567	1,779	2,012	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,367	1,159	346	68,926	37,945	18,153	16,223	12,203	4,116	Sept. 1
Malaria-----110-117	1	3	*	58	71	*	*	*	*	*
Measles-----085	3,646	4,092	4,060	409,236	423,356	467,143	23,608	23,234	24,357	Sept. 1
Meningitis, aseptic-----340 pt.	28	43	---	2,998	2,886	---	2,998	2,886	---	Jan. 1
Meningococcal infections-----057	52	53	51	2,022	2,083	2,453	507	545	594	Sept. 1
Poliomyelitis-----080	15	49	92	1,280	3,170	8,347	1,177	2,958	5,576	Apr. 1
Paralytic-----080.0,080.1	10	33	61	837	2,215	5,548	777	2,049	2,816	Apr. 1
Nonparalytic-----080.2	3	6	12	304	628	2,122	279	602	1,909	Apr. 1
Unspecified-----080.3	2	10	19	139	327	677	121	307	851	Apr. 1
Psittacosis-----096.2	25	1	*	87	95	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	7,454	6,468	---	298,309	288,668	---	79,098	---	---	Aug. 1
Typhoid fever-----040	10	7	16	785	776	1,008	671	645	828	Apr. 1
Typhus fever, endemic-----101	1	-	*	41	62	*	*	*	*	*
Rabies in animals-----	53	64	81	3,231	3,212	4,001	597	441	636	Oct. 1

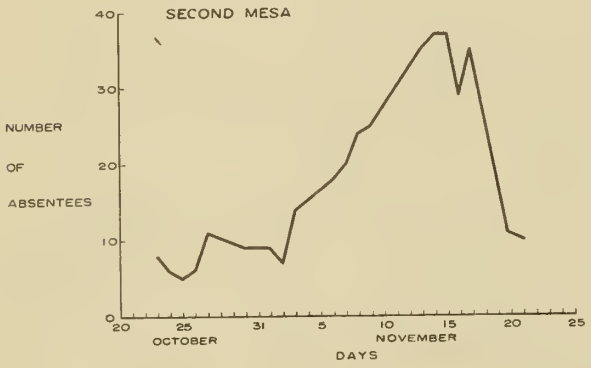
Botulism - Arkansas 1

vaccinated. All boarders are brought to the USPHS Indian Hospital Clinic if there is any indication of illness. Of 320 boarders in the immunized group, only one case of clinical influenza has been noted by the clinic physicians. Of 120 day students who are not immunized, there have been 26 cases of clinical influenza.

	Attack Rate
Immunized	0.3%
Not Immunized	22.0%

Laboratory studies on these groups are in progress.

A Hopi Indian School on the Reservation illustrates well the epidemicity of the illness. The accompanying graph records the total number of absentees each day from this school which has a total enrollment of 190 students.



Canada – The epidemic of influenza which commenced during November in Saskatchewan has spread from the focus at Regina to involve a number of communities in the central and southern regions of that province. Absenteeism in the public schools has ranged from 30 to 60 percent. Clinically, the disease has been relatively mild. The course of illness has been described as being frequently biphasic in character with relapses noted following a four to six day course of the disease. It has been observed that the spread of disease among patients within the hospitals has been rare although many absences have been noted among hospital attendants. Two deaths, directly attributable to the disease, have resulted from a staphylococcus (phage type 80/81) pneumonia. Isolates obtained resemble the Great Lakes variant of Influenza B. No other outbreaks are presently known in Canada.

Aruba Island (N.W.I.) – In October 1961, approximately 200 cases of respiratory disease occurred. Clinical characteristics of the disease are not available; however, eight of nine paired sera obtained during this outbreak were positive for Type B Influenza.

Miami, Florida – An outbreak of Type B influenza in a school-bus population was reported in MMWR, Vol. 10, No. 48, December 8, 1961.

Jamaica – A confirmed outbreak of Type B influenza in mining company personnel was reported in MMWR, Vol. 10, No. 48, December 8, 1961.

Respiratory Diseases of Unidentified Etiology

California – Acute upper respiratory illnesses occurring since the middle of November continue in the Los Angeles and San Francisco areas primarily in school children, and have appeared in most major centers of the State. School absenteeism as high as 30 percent in some schools is reported from northern coastal counties, mountain counties and the interior valley. Two illnesses are occurring, one characterized by malaise, sore throat, fever, cough and some myalgia, and the other by mild upper respiratory symptoms, diarrhea and fever. Laboratory and epidemiologic investigation of these illnesses is under way. There is no unusual absenteeism of teaching staff in the schools or increased absenteeism reported from industrial concerns.

Oregon – An outbreak of upper respiratory disease and gastroenteric disease which began in November in counties surrounding Portland has continued to spread, involving Washington County to the northwest and Grant's Pass in the southernmost portion of the State. Early reports of the appearance of the illness in the eastern part of the State have been received. In school children two types of illnesses continue to occur: 1) an upper respiratory disease with fever to 101°, sore throat and vomiting which lasts 3-4 days. 2) a gastrointestinal disease with mild cramps, diarrhea and fever to 101°.

Cases occurring in adults are reported in the Portland area, with upper respiratory symptoms, mild diarrhea and myalgia, and some temperatures of 103°. Several of these have had relapses after several days suggesting a biphasic pattern. There is no reported increase in industrial absenteeism. Laboratory studies are in progress. (Information for this summary was obtained from: Dr. Roslyn Robinson, Chief, International Influenza Center for the Americas, CDC, and a team from the Communicable Disease Center; Dr. Mike Segal, Dr. Ann Beasley, and Dr. Jim Conner from Variety Children's Research Foundation, Miami, Florida; Dr. Henry Renteln, Division of Preventive Medical Services, California State Department of Public Health; Dr. E. W. R. Best, Chief, Epidemiology, Division Department of National Health and Welfare, Ottawa, Canada; Dr. James O. Bond, Director, Bureau Preventable Diseases, Florida State Board of Health; Dr. Grant Skinner, State Epidemiologist, Oregon State Board of Health).

(Continued on page 8.)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 10, 1960 AND DECEMBER 9, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	49th Week		Cumulative, first 49 weeks		49th Week		Cumulative, first 49 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	15	49	1,280	3,170	10	33	837	2,215	3	6	28	11
NEW ENGLAND	-	1	40	232	-	-	27	183	-	1	2	-
Maine	-	-	5	49	-	-	5	48	-	-	-	-
New Hampshire	-	-	2	-	-	-	-	-	-	-	2	-
Vermont	-	-	9	11	-	-	8	6	-	-	-	-
Massachusetts	-	-	18	34	-	-	10	23	-	-	-	-
Rhode Island	-	1	1	103	-	-	1	78	-	1	-	-
Connecticut	-	-	5	35	-	-	3	28	-	-	-	-
MIDDLE ATLANTIC	5	9	336	480	4	6	224	341	-	2	3	-
New York	5	6	249	260	4	3	160	168	-	2	-	-
New Jersey	-	1	35	84	-	1	28	61	-	-	-	-
Pennsylvania	-	2	52	136	-	2	36	112	-	-	3	-
EAST NORTH CENTRAL	1	18	177	553	1	12	110	344	-	2	10	4
Ohio	-	1	48	127	-	-	22	65	-	1	-	-
Indiana	1	8	21	141	1	7	12	108	-	1	-	-
Illinois	-	3	36	150	-	3	19	103	-	-	6	2
Michigan	-	1	38	94	-	1	30	55	-	-	4	2
Wisconsin	-	5	34	41	-	1	27	13	-	-	-	-
WEST NORTH CENTRAL	2	1	77	175	1	1	35	102	1	-	3	5
Minnesota	-	1	6	55	-	1	6	45	-	-	3	-
Iowa	-	-	19	22	-	-	10	4	-	-	-	2
Missouri	-	-	26	44	-	-	8	32	-	-	-	-
North Dakota	1	-	5	14	-	-	1	5	1	-	-	-
South Dakota	1	-	4	5	1	-	2	1	-	-	-	-
Nebraska	-	-	8	16	-	-	4	9	-	-	-	2
Kansas	-	-	9	19	-	-	4	6	-	-	-	1
SOUTH ATLANTIC	1	5	215	588	1	5	158	468	-	-	1	1
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	1	2	42	153	1	2	32	138	-	-	-	-
District of Columbia	-	-	3	5	-	-	3	5	-	-	-	-
Virginia	-	3	12	55	-	3	12	50	-	-	1	-
West Virginia	-	-	33	62	-	-	23	51	-	-	-	-
North Carolina	-	-	21	92	-	-	11	69	-	-	-	-
South Carolina	-	-	34	130	-	-	26	88	-	-	-	-
Georgia	-	-	30	24	-	-	23	22	-	-	-	1
Florida	-	-	38	67	-	-	27	45	-	-	-	-
EAST SOUTH CENTRAL	-	6	85	256	-	2	49	110	-	-	1	-
Kentucky	-	4	27	134	-	-	5	5	-	-	-	-
Tennessee	-	-	22	54	-	-	10	37	-	-	1	-
Alabama	-	-	11	23	-	-	11	23	-	-	-	-
Mississippi	-	2	25	45	-	2	23	45	-	-	-	-
WEST SOUTH CENTRAL	4	3	155	286	3	3	87	184	1	-	-	1
Arkansas	2	2	23	33	2	2	12	25	-	-	-	-
Louisiana	1	-	55	50	1	-	44	31	-	-	-	-
Oklahoma	-	-	4	17	-	-	-	12	-	-	-	1
Texas	1	1	73	186	-	1	31	116	1	-	-	-
MOUNTAIN	1	1	48	99	-	-	28	51	-	-	1	-
Montana	-	1	4	24	-	-	2	17	-	-	-	-
Idaho	-	-	14	10	-	-	6	1	-	-	-	-
Wyoming	1	-	1	21	-	-	-	1	-	-	-	-
Colorado	-	-	10	21	-	-	10	19	-	-	-	-
New Mexico	-	-	3	7	-	-	-	4	-	-	-	-
Arizona	-	-	8	9	-	-	6	7	-	-	1	-
Utah	-	-	8	7	-	-	4	2	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	1	5	147	501	-	4	119	432	1	1	7	-
Washington	-	2	31	39	-	2	29	39	-	-	-	-
Oregon	-	-	17	36	-	-	8	19	-	-	-	-
California	1	3	94	416	-	2	77	364	1	1	7	-
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	5	8	-	-	5	8	-	-	-	-
Puerto Rico	-	-	7	504	-	-	7	495	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 10, 1960 AND DECEMBER 9, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

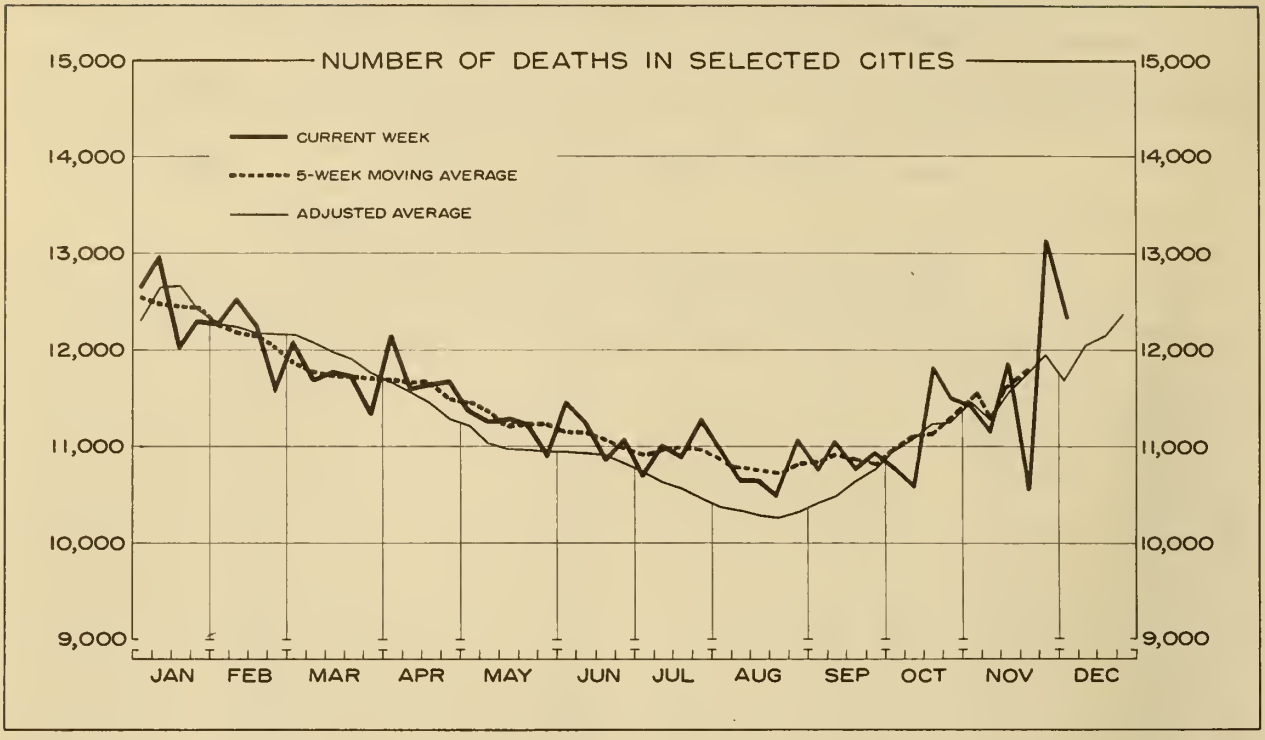
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	49th Week		Cumulative, first 49 weeks		082		49th Week		Cumulative, first 49 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	27	26	556	781	29	24	1,367	1,159	68,926	37,945	3,646	4,092
NEW ENGLAND	-	-	8	12	2	-	67	22	2,283	1,089	601	388
Maine	-	-	-	2	-	-	10	3	176	77	169	9
New Hampshire	-	-	-	-	1	-	4	-	203	34	67	70
Vermont	-	-	-	-	-	-	2	-	192	27	28	2
Massachusetts	-	-	7	9	1	-	40	8	995	519	258	220
Rhode Island	-	-	-	1	-	-	2	4	239	204	18	9
Connecticut	-	-	1	-	-	-	9	7	478	228	61	78
MIDDLE ATLANTIC	-	1	20	17	8	6	121	137	9,215	4,694	500	1,016
New York	-	1	7	5	8	3	42	64	3,972	2,529	329	396
New Jersey	-	-	-	2	-	2	27	1	2,181	333	70	142
Pennsylvania	-	-	13	10	-	1	52	72	3,062	1,832	101	478
EAST NORTH CENTRAL	-	-	16	41	3	1	315	236	13,847	6,890	819	1,096
Ohio	-	-	1	16	-	-	117	88	4,600	2,400	40	408
Indiana	-	-	2	7	-	-	40	39	2,036	797	51	63
Illinois	-	-	10	6	2	1	49	64	2,515	1,496	452	51
Michigan	-	-	3	10	1	-	86	38	4,326	1,965	161	153
Wisconsin	-	-	-	2	-	-	23	7	370	232	115	421
WEST NORTH CENTRAL	5	-	53	63	1	-	128	85	6,626	2,650	77	107
Minnesota	5	-	38	36	-	-	51	22	1,622	483	7	2
Iowa	-	-	2	8	1	-	18	10	1,877	417	23	20
Missouri	-	-	1	2	-	-	41	26	1,435	886	4	32
North Dakota	-	-	4	3	-	-	2	3	149	178	30	48
South Dakota	-	-	6	10	-	-	4	8	198	154	13	-
Nebraska	-	-	2	2	-	-	7	12	632	271	-	5
Kansas	-	-	-	2	-	-	5	4	713	261	NN	NN
SOUTH ATLANTIC	2	10	132	227	3	3	176	125	8,807	4,335	257	372
Delaware	-	-	-	-	-	-	3	4	185	262	-	31
Maryland	-	-	1	1	-	-	8	9	751	440	39	18
District of Columbia	-	-	3	-	1	-	5	-	135	60	10	-
Virginia	1	1	18	40	-	3	36	18	1,461	763	95	191
West Virginia	-	-	1	4	-	-	20	28	1,534	835	60	37
North Carolina	-	4	11	18	-	-	62	25	2,087	423	3	17
South Carolina	-	-	13	50	-	-	12	9	501	160	2	26
Georgia	1	4	43	45	-	-	6	12	742	273	-	25
Florida	-	1	42	69	2	-	24	20	1,411	1,119	48	27
EAST SOUTH CENTRAL	-	4	46	128	2	1	208	192	10,318	5,492	301	429
Kentucky	-	4	9	49	-	-	73	88	3,021	1,933	45	326
Tennessee	-	-	3	9	1	-	83	55	4,039	1,853	231	84
Alabama	-	-	27	37	-	-	25	38	1,772	1,185	15	19
Mississippi	-	-	7	33	1	1	27	11	1,486	521	10	-
WEST SOUTH CENTRAL	17	11	258	255	1	1	73	56	4,917	2,850	284	102
Arkansas	-	-	4	16	1	-	12	9	959	227	-	5
Louisiana	9	6	39	76	-	-	7	6	540	179	1	-
Oklahoma	-	-	9	25	-	-	8	1	337	322	5	3
Texas	8	5	206	138	-	1	46	40	3,081	2,122	278	94
MOUNTAIN	-	-	12	36	1	1	88	129	3,887	2,964	234	199
Montana	-	-	2	3	-	-	3	12	336	175	120	25
Idaho	-	-	-	11	-	-	3	6	303	318	9	40
Wyoming	-	-	-	5	-	-	1	-	157	36	1	-
Colorado	-	-	4	3	-	-	29	44	1,345	1,079	19	39
New Mexico	-	-	5	4	-	-	6	25	318	335	NN	-
Arizona	-	-	-	3	1	1	19	13	657	618	21	53
Utah	-	-	-	7	-	-	18	7	626	279	54	24
Nevada	-	-	1	-	-	-	9	22	145	124	10	18
PACIFIC	3	-	11	2	8	11	191	177	9,026	6,981	573	383
Washington	3	-	5	-	1	-	21	31	1,038	933	209	131
Oregon	-	-	-	-	-	1	32	23	1,431	1,085	67	60
California	-	-	2	1	7	10	135	112	6,071	4,636	255	190
Alaska	-	-	4	1	-	-	2	7	415	242	37	2
Hawaii	-	-	-	-	-	-	1	4	71	85	5	-
Puerto Rico	-	4	58	136	-	-	24	5	942	726	26	33

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 10, 1960 AND DECEMBER 9, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						49th Week		Cumulative, first 49 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	52	53	25	7,454	10	7	785	776	1	53	64
NEW ENGLAND	-	6	2	-	314	-	-	20	11	-	-	-
Maine	-	2	-	-	13	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	1	-	-	-	-	-	-	-
Vermont	-	1	1	-	1	-	-	-	-	-	-	-
Massachusetts	-	2	1	-	83	-	-	14	5	-	-	-
Rhode Island	-	1	-	-	42	-	-	2	-	-	-	-
Connecticut	-	-	-	-	174	-	-	3	4	-	-	-
MIDDLE ATLANTIC	-	8	9	1	217	2	-	98	58	-	1	4
New York	-	3	7	-	134	1	-	54	34	-	1	3
New Jersey	-	1	-	-	27	-	-	17	7	-	-	-
Pennsylvania	-	4	2	1	56	1	-	27	17	-	-	1
EAST NORTH CENTRAL	-	15	14	1	546	1	1	106	99	-	8	4
Ohio	-	4	3	-	69	-	-	43	29	-	1	1
Indiana	-	1	2	-	98	-	1	24	25	-	1	1
Illinois	-	5	4	-	99	-	-	29	21	-	1	2
Michigan	-	5	3	-	110	1	-	7	16	-	5	-
Wisconsin	-	-	2	1	170	-	-	3	8	-	-	-
WEST NORTH CENTRAL	-	1	-	-	1,029	-	-	35	48	-	11	8
Minnesota	-	-	-	-	727	-	-	5	1	-	2	4
Iowa	-	-	-	-	63	-	-	2	11	-	2	3
Missouri	-	1	-	-	19	-	-	21	26	-	3	-
North Dakota	-	-	-	-	92	-	-	-	1	-	-	-
South Dakota	-	-	-	-	4	-	-	3	4	-	4	1
Nebraska	-	-	-	-	-	-	-	1	3	-	-	-
Kansas	-	-	-	-	124	-	-	3	2	-	-	-
SOUTH ATLANTIC	-	6	4	-	455	1	-	133	117	-	3	16
Delaware	-	1	-	-	5	-	-	1	1	-	-	-
Maryland	-	-	-	-	16	-	-	4	6	-	-	-
District of Columbia	-	-	1	-	1	-	-	13	10	-	-	-
Virginia	-	1	2	-	97	-	-	20	24	-	-	9
West Virginia	-	1	-	-	147	1	-	11	14	-	2	4
North Carolina	-	2	-	-	22	-	-	16	9	-	-	-
South Carolina	-	-	-	-	7	-	-	8	12	-	-	1
Georgia	-	-	1	-	2	-	-	39	27	-	-	-
Florida	-	1	-	-	158	-	-	21	14	-	1	2
EAST SOUTH CENTRAL	-	6	7	-	1,252	-	1	84	120	-	12	6
Kentucky	-	5	5	-	95	-	-	19	32	-	4	-
Tennessee	-	-	1	-	1,070	-	-	50	56	-	6	4
Alabama	-	-	1	-	42	-	1	11	24	-	2	2
Mississippi	-	1	-	-	45	-	-	4	8	-	-	-
WEST SOUTH CENTRAL	-	6	3	22	825	3	2	159	205	1	14	25
Arkansas	-	1	-	-	4	-	-	30	52	-	3	15
Louisiana	-	1	-	-	5	-	-	27	59	-	1	-
Oklahoma	-	2	-	-	5	-	-	12	12	-	-	-
Texas	-	2	3	22	811	3	2	90	82	1	10	10
MOUNTAIN	-	1	6	-	1,493	-	1	64	46	-	-	-
Montana	-	-	-	-	56	-	-	20	13	-	-	-
Idaho	-	-	-	-	143	-	-	1	3	-	-	-
Wyoming	-	-	-	-	7	-	-	3	4	-	-	-
Colorado	-	1	-	-	551	-	-	7	1	-	-	-
New Mexico	-	-	-	-	363	-	1	17	13	-	-	-
Arizona	-	-	4	-	222	-	-	10	10	-	-	-
Utah	-	-	2	-	148	-	-	2	2	-	-	-
Nevada	-	-	-	-	3	-	-	4	-	-	-	-
PACIFIC	1	3	8	1	1,323	3	2	86	72	-	4	1
Washington	-	-	-	-	464	-	-	7	5	-	-	-
Oregon	-	1	-	-	36	-	-	1	8	-	-	-
California	1	2	7	1	752	3	2	75	58	-	4	1
Alaska	-	-	1	-	21	-	-	-	1	-	-	-
Hawaii	-	-	-	-	50	-	-	3	-	-	-	-
Puerto Rico	-	-	4	-	-	-	-	22	20	-	-	2



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	49th week ended Dec. 9, 1961	48th week ended Dec. 2, 1961	Adjusted average, 49th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 49 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	12,312	13,157	11,690	+5.3	561,380	562,959	-0.3
New England (14 cities)	808*	838	701	+15.3	34,627	35,426	-2.3
Middle Atlantic (20 cities)	3,333*	3,601	3,161	+5.4	159,119	156,535	+1.7
East North Central (21 cities)	2,518	2,766	2,487	+1.2	120,019	121,861	-1.5
West North Central (9 cities)	811	954	845	-4.0	38,346	39,064	-1.8
South Atlantic (11 cities)	1,080*	1,151	993	+8.8	48,481	48,211	+0.6
East South Central (8 cities)	628	613	526	+19.4	25,510	25,498	+0.05
West South Central (13 cities)	1,015	1,216	1,076	-5.7	47,912	48,895	-2.0
Mountain (8 cities)	411	403	370	+11.1	17,924	17,697	+1.3
Pacific (13 cities)	1,708*	1,615	1,531	+11.6	69,442	69,772	-0.5

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	49th week ended Dec. 9, 1961	48th week ended Dec. 2, 1961	Cumulative, first 49 weeks 1961	Cumulative, first 49 weeks 1960
NEW ENGLAND:				
Boston, Mass.	279	318	11,907	12,283
Bridgeport, Conn.	46*	42	1,919	1,999
Cambridge, Mass.	39	44	1,448	1,495
Fall River, Mass.	34	18	1,347	1,382
Hartford, Conn.	51	51	2,390	2,435
Lowell, Mass.	27	23	1,210	1,160
Lynn, Mass.	35	22	1,087	1,192
New Bedford, Mass.	20	30	1,259	1,231
New Haven, Conn.	54	62	2,210	2,193
Providence, R.I.	75	62	3,060	3,147
Somerville, Mass.	19	15	647	652
Springfield, Mass.	37	54	2,160	2,207
Waterbury, Conn.	30	39	1,300	1,367
Worcester, Mass.	62	58	2,683	2,683
MIDDLE ATLANTIC:				
Albany, N.Y.	42	44	2,259	2,133
Allentown, Pa.	38	43	1,680	1,714
Buffalo, N.Y.	156	150	7,095	7,074
Camden, N.J.	51	42	2,071	2,056
Elizabeth, N.J.	27	30	1,446	1,425
Erie, Pa.	40*	56	1,913	1,902
Jersey City, N.J.	66	99	3,401	3,424
Newark, N.J.	90	169	4,994	4,754
New York City, N.Y.	1,718	1,799	81,244	79,940
Paterson, N.J.	33	44	1,901	1,903
Philadelphia, Pa.	515	447	24,599	23,701
Pittsburgh, Pa.	200	274	9,376	9,468
Reading, Pa.	26	28	1,144	1,164
Rochester, N.Y.	101	106	4,963	4,941
Schenectady, N.Y.	28	22	1,185	1,151
Scranton, Pa.	47	33	1,730	1,878
Syracuse, N.Y.	60	68	3,019	3,063
Trenton, N.J.	46	68	2,199	1,997
Utica, N.Y.	25	49	1,406	1,329
Yonkers, N.Y.	24	30	1,494	1,518
EAST NORTH CENTRAL:				
Akron, Ohio	50	64	2,789	2,776
Canton, Ohio	49	32	1,565	1,692
Chicago, Ill.	725	788	36,256	37,582
Cincinnati, Ohio	174	177	7,685	7,681
Cleveland, Ohio	180	252	9,902	10,314
Columbus, Ohio	119	143	5,633	5,800
Dayton, Ohio	94	100	3,921	3,730
Detroit, Mich.	313	373	16,255	16,426
Evansville, Ind.	34	46	1,776	1,821
Flint, Mich.	48	48	2,089	1,970
Fort Wayne, Ind.	47	33	1,857	1,795
Gary, Ind.	24	54	1,516	1,516
Grand Rapids, Mich.	53	33	2,209	2,017
Indianapolis, Ind.	165	174	7,028	7,101
Madison, Wis.	26	50	1,630	1,595
Milwaukee, Wis.	145	117	6,010	6,125
Peoria, Ill.	24	34	1,395	1,482
Rockford, Ill.	34	26	1,394	1,409
South Bend, Ind.	31	33	1,401	1,441
Toledo, Ohio	114	126	4,858	4,881
Youngstown, Ohio	69	63	2,850	2,707
WEST NORTH CENTRAL:				
Des Moines, Iowa	78	81	2,683	2,703
Duluth, Minn.	20	36	1,255	1,241
Kansas City, Kans.	46	37	1,847	1,724
Kansas City, Mo.	128	137	6,278	6,135
Lincoln, Nebr.	(29)	(42)	(1,376)	(1,261)
Minneapolis, Minn.	109	144	5,792	6,105
Omaha, Nebr.	64	82	3,376	3,587
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	260	302	11,586	11,924
St. Paul, Minn.	55	87	3,230	3,373
Wichita, Kans.	51	48	2,299	2,272
SOUTH ATLANTIC:				
Atlanta, Ga.	123	114	5,548	5,755
Baltimore, Md.	240	294	11,999	12,303
Charlotte, N.C.	56	54	1,794	1,892
Jacksonville, Fla.	65	70	2,841	2,884
Miami, Fla.	69	104	3,702	3,476
Norfolk, Va.	44*	50	2,411	1,942
Richmond, Va.	87	88	3,818	3,809
Savannah, Ga.	38	50	1,604	1,641
St. Petersburg, Fla.	(61)	(76)	(3,273)	(3,469)
Tampa, Fla.	103	63	3,201	3,169
Washington, D.C.	217	210	9,623	9,452
Wilmington, Del.	38	54	1,940	1,888
EAST SOUTH CENTRAL:				
Birmingham, Ala.	102	102	4,216	4,173
Chattanooga, Tenn.	45	58	2,274	2,319
Knoxville, Tenn.	26	26	1,359	1,370
Louisville, Ky.	165	131	5,591	5,546
Memphis, Tenn.	131	140	5,589	5,469
Mobile, Ala.	53	47	1,981	2,030
Montgomery, Ala.	42	38	1,585	1,679
Nashville, Tenn.	64	71	2,915	2,912
WEST SOUTH CENTRAL:				
Austin, Tex.	42	47	1,657	1,639
Baton Rouge, La.	25	64	1,379	1,406
Corpus Christi, Tex.	17	28	1,076	1,126
Dallas, Tex.	142	109	6,079	6,099
El Paso, Tex.	46	55	1,738	1,853
Fort Worth, Tex.	62	88	3,171	3,243
Houston, Tex.	137	257	8,070	8,137
Little Rock, Ark.	44	72	2,743	2,789
New Orleans, La.	185	157	8,217	8,742
Oklahoma City, Okla.	76	106	3,636	3,681
San Antonio, Tex.	117	122	4,985	4,888
Shreveport, La.	67	44	2,492	2,621
Tulsa, Okla.	55	67	2,669	2,671
MOUNTAIN:				
Albuquerque, N. Mex.	28	45	1,558	1,577
Colorado Springs, Colo.	20	20	808	818
Denver, Colo.	140	115	5,644	5,831
Ogden, Utah	10	18	826	803
Phoenix, Ariz.	100	109	4,037	3,742
Pueblo, Colo.	19	18	825	794
Salt Lake City, Utah	52	52	2,359	2,374
Tucson, Ariz.	42	26	1,867	1,758
PACIFIC:				
Berkeley, Calif.	18	19	827	831
Fresno, Calif.	(57)	(48)	(2,128)	(2,181)
Glendale, Calif.	(38)	(34)	(1,629)	(1,814)
Honolulu, Hawaii	50*	42	1,986	2,026
Long Beach, Calif.	65*	65	2,725	2,695
Los Angeles, Calif.	587	567	24,554	24,442
Oakland, Calif.	99	116	4,791	4,690
Pasadena, Calif.	41*	35	1,640	1,696
Portland, Oreg.	189	96	5,307	5,401
Sacramento, Calif.	68*	55	3,029	2,872
San Diego, Calif.	108*	118	4,402	4,444
San Francisco, Calif.	235*	236	9,541	9,665
San Jose, Calif.	(---)	(33)	(---)	(1,695)
Seattle, Wash.	148	160	6,421	6,670
Spokane, Wash.	51	60	2,341	2,345
Tacoma, Wash.	49	46	1,878	1,995
San Juan, P. R.	(25)	(26)	(1,611)	(1,700)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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Polio – Fifteen cases of poliomyelitis, 10 paralytic, were reported for the 49th week ending December 8. This is essentially unchanged from the 15 cases, 11 paralytic, reported the preceding week.

Hepatitis – The 1,367 cases of hepatitis reported for the 49th week are 74 more than reported for the 48th week. This represents 208 more cases than were reported for the 49th week of 1960. This continued increase in reported cases indicates the seasonal rise characteristic of hepatitis. Significant rises were reported from the Mountain and East North Central States. Only slight increases were noted in all other regions with the exception of the East South Central States which reported a slight decrease.

International Notes – Quarantine Measures

Cholera and Cholera-like Disease

Unofficially reported are over two thousand cases and three hundred deaths due to a cholera-like disease which have occurred to date in the Philippine Islands. The disease appears to be spreading.

All persons entering the United States within five days after leaving infested areas and the Philippine Islands will be required to present a valid certificate of immunization against cholera.

The Division of Foreign Quarantine recommends that all persons traveling to the Far East receive cholera vaccine.

Yellow Fever Vaccination Centers

The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6:

City	Center	Clinic Hours	Fee
Virginia Lynchburg	Bureau of Public Health 701 Hollins Street Tel: Victor 6-5273	Friday, 1-4:30 pm by appointment	Yes

Immunization Information for International Travel

Correction of Public Health Service Publication #384, Section 5, page 53.

France – under recommendations by USPHS, delete "T" which refers to Typhus.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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